

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-41. (cancelled)

42. (withdrawn) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence that binds to low density lipoprotein (LDL) and has ~~is~~ at least ~~about~~ 80% sequence identity identical to the sequence of SEQ ID NO:7; ~~wherein the polypeptide binds to LDL.~~

43. (withdrawn) The nucleic acid of claim 42, wherein the amino acid sequence has ~~is~~ at least ~~about~~ 90% sequence identity identical to the sequence of SEQ ID NO:7.

44. (withdrawn) The nucleic acid of claim 42, wherein the amino acid sequence has ~~is~~ at least ~~about~~ 95% sequence identity identical to the sequence of SEQ ID NO:7.

45. (withdrawn) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising the sequence of SEQ ID NO:7.

46. (currently amended) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence that binds to LDL and has ~~is~~ at least ~~about~~ 80% sequence identity identical to the sequence of SEQ ID NO:43, ~~wherein the polypeptide binds to LDL.~~

47. (currently amended) The nucleic acid of claim 46, wherein the amino acid sequence ~~has is~~ at least ~~about~~ 90% sequence identity ~~identical~~ to the sequence of SEQ ID NO:43.

48. (currently amended) The nucleic acid of claim 46, wherein the amino acid sequence ~~has is~~ at least ~~about~~ 95% sequence identity ~~identical~~ to the sequence of SEQ ID NO:43.

49. (original) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising the sequence of SEQ ID NO:43.

50. (original) The nucleic acid of claim 49, wherein the polypeptide consists of the sequence of SEQ ID NO:43.

51-66. (cancelled)

67. (withdrawn) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence that (i) binds to LDL and (ii) is identical to a fragment of at least ten amino acid residues of SEQ ID NO:7.

68. (cancelled)

69. (withdrawn) The nucleic acid of claim 67, wherein the amino acid sequence is identical to a fragment of at least ~~about~~ 20 amino acid residues of SEQ ID NO:7.

70. (withdrawn) The nucleic acid of claim 67, wherein the amino acid sequence is identical to a fragment of at least ~~about~~ 30 amino acid residues of SEQ ID NO:7.

71. (original) The nucleic acid of claim 67, wherein the amino acid sequence comprises SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, or SEQ ID NO:22.

72. (currently amended) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence that (i) binds to LDL and (ii) is identical to a fragment of at least ten amino acid residues of SEQ ID NO:43.

73. (cancelled)

74. (currently amended) The nucleic acid of claim 72, wherein the amino acid sequence is identical to a fragment of at least ~~about~~ 20 amino acid residues of SEQ ID NO:43.

75. (currently amended) The nucleic acid of claim 72, wherein the amino acid sequence is identical to a fragment of at least ~~about~~ 30 amino acid residues of SEQ ID NO:43.

76-79. (cancelled)

80. (withdrawn) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence, wherein the amino acid sequence binds to LDL and differs by one or more conservative amino acid substitutions from the sequence of ~~SEQ ID NO:2 or~~ SEQ ID NO:7.

81. (currently amended) An isolated nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence, wherein the amino acid sequence binds to LDL and differs by one or more conservative amino acid substitutions from the sequence of SEQ ID NO:43 ~~or SEQ ID NO:47.~~

82-87. (cancelled)

88. (withdrawn) An isolated nucleic acid comprising a nucleotide sequence that (i) specifically hybridizes to the sequence of ~~SEQ ID NO:11~~ or SEQ ID NO:16 and (ii) encodes a polypeptide that binds to LDL.

89. (cancelled)

90. (withdrawn) The nucleic acid of claim 88, wherein the nucleotide sequence has is at least ~~about 80%~~ sequence identity identical to the sequence of ~~SEQ ID NO:11~~ or SEQ ID NO:16.

91. (withdrawn) The nucleic acid of claim 88, wherein the nucleotide sequence has is at least ~~about 95%~~ sequence identity identical to the sequence of ~~SEQ ID NO:11~~ or SEQ ID NO:16.

92. (withdrawn) The nucleic acid of claim 88, wherein the nucleotide sequence comprises the sequence of ~~SEQ ID NO:11~~ or SEQ ID NO:16.

93. (withdrawn) An isolated nucleic acid comprising a nucleotide sequence that (i) specifically hybridizes to the sequence of SEQ ID NO:45 ~~or SEQ ID NO:48~~ and (ii) encodes a polypeptide that binds to LDL.

94. (cancelled)

95. (withdrawn) The nucleic acid of claim 93, wherein the nucleotide sequence has is at least ~~about 80%~~ sequence identity identical to the sequence of SEQ ID NO:45 ~~or SEQ ID NO:48~~.

96. (withdrawn) The nucleic acid of claim 93, wherein the nucleotide sequence has is at least ~~about 95%~~ sequence identity identical to the sequence of SEQ ID NO:45 ~~or SEQ ID NO:48~~.

97. (withdrawn) The nucleic acid of claim 93, wherein the nucleotide sequence comprises the sequence of SEQ ID NO:45 ~~or SEQ ID NO:48~~.

98. (withdrawn) An isolated nucleic acid comprising the nucleotide sequence of ~~SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:36, SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:39, SEQ ID NO:30, SEQ ID NO:31, SEQ ID NO:32, or SEQ ID NO:33~~.

99. (withdrawn) A recombinant vector comprising the nucleic acid of claim ~~49~~ 38.

100. (withdrawn) A recombinant vector comprising the nucleic acid of claim 42.

101. (withdrawn) A cell comprising the recombinant vector of claim 99.

102. (withdrawn) A cell comprising the recombinant vector of claim 100.

103. (withdrawn) A method of producing a polypeptide, the method comprising culturing the cell of claim 101 under conditions that permit expression of the polypeptide.

104. (withdrawn) A method of producing a polypeptide, the method comprising culturing the cell of claim 102 under conditions that permit expression of the polypeptide.